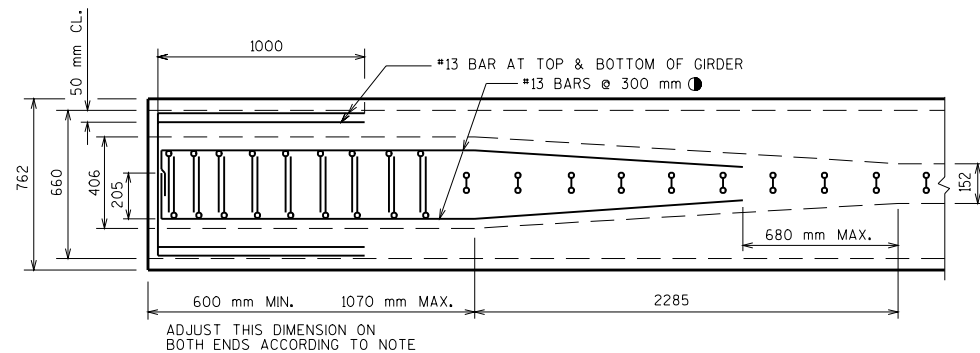


▲ VARIES FOR ELASTOMERIC BRGS. SEE STD. 27.7

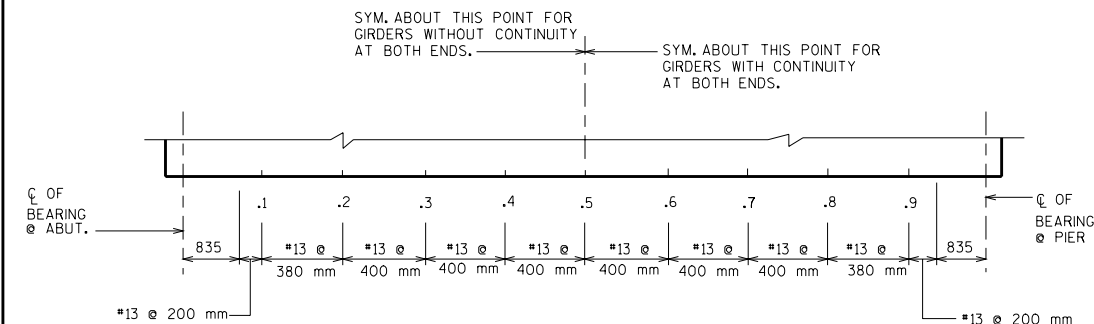
● INCREASE THE SIZE OF THESE BARS IF REQUIRED BY AASHTO LRFD 5.8.3.5

### SUPPORT WITH STEEL OR ELASTOMERIC BRGS.

### SIDE VIEW OF GIRDER



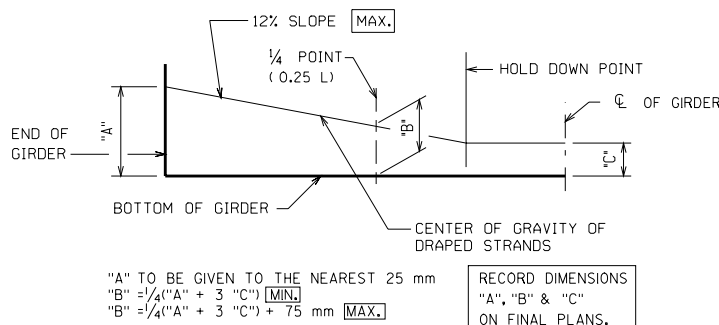
### TOP VIEW OF GIRDER ⊖



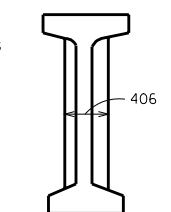
### MAXIMUM STIRRUP NUMBER REQUIREMENTS

VALUES SHOWN ARE FOR STIRRUPS FOR 32000 mm SPANS AND 3500 mm GIRDER SPACING, MS18 LOADING. DESIGN STIRRUPS FOR ALL OTHER CASES. USE #13 BARS AT 400 mm AS MINIMUM STIRRUP AREA.

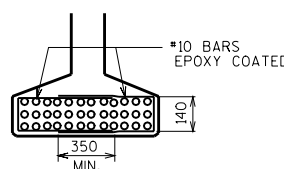
### SUPPORT WITH 13 mm ELASTOMERIC BEARING PAD



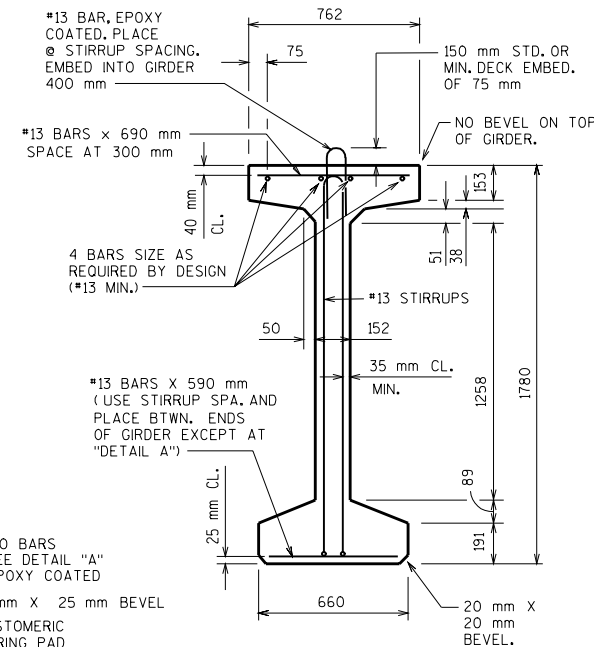
### LOCATION OF DRAPED STRANDS



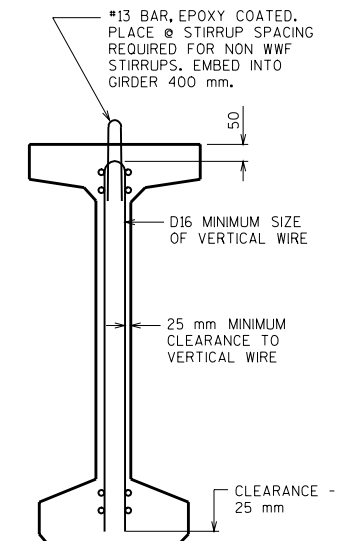
### SECTION A-A



### DETAIL A



### SECTION THRU GIRDER



### SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS

### GENERAL NOTES

THESE NOTES APPLY TO ALL GIRDERS.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. [THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.]

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 50 mm OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

SPACING SHOWN FOR #13 STIRRUPS IS FOR GRADE 420 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #13 STIRRUPS, TWO OPTIONS ARE AVAILABLE:

1. USE ASTM A706M, GRADE 420 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

2. USE ASTM A615M, GRADE 300 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION. (608)266-8494

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

IF THE CONTRACTOR USES THE BOTTOM FLANGE TO SUPPORT CONSTRUCTION FORMS, THE CONTRACTOR SHALL SUBMIT FALSEWORK PLANS FOR APPROVAL BY THE STRUCTURES DESIGN SECTION.

ALL DIMENSIONS ARE IN MILLIMETERS.

### DESIGNER NOTES

ON MULTIPLE SPAN STRUCTURES SET THE END BLOCK LENGTHS OF GIRDERS RESTING ON THE SAME PIER TO ± 50 mm. ON SIMPLE SPANS SET THE END BLOCK LENGTH ON BOTH GIRDER ENDS TO ± 50 mm.

THE MAX. NUMBER OF DRAPED 13 mm φ STRANDS IS 12 AND FOR 15 mm φ STRANDS THE MAX. IS 8.

GIRDER LENGTHS IN EXCESS OF 43 METERS MAY BE CONTROLLED BY TRANSPORTATION LIMITATIONS AND REQUIRE APPROVAL BY THE PRESTRESS GIRDER MANUFACTURERS.

SPECIFY CONCRETE STRENGTH AS REQUIRED BY DESIGN FROM A MINIMUM OF 42 MPa TO A MAX. OF 56 MPa. USE 15 mm φ STRAND FOR ALL PATTERNS.

### 1780 mm PRETENSIONED GIRDER DETAILS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DEVELOPMENT SECTION

APPROVED: \_\_\_\_\_

DATE:  
1/03